

**Abstract**

A method of controlling a phase locked loop in a mobile station and a mobile station of a cellular telecommunications system are provided. The mobile station comprises an integrated phase locked loop for generating output frequencies; a frequency control unit for providing a frequency control word for the phase locked loop, according to which frequency control word an output frequency is generated; and a tuning unit for providing a synchronized tuning word for the phase locked loop, the tuning unit being configured to output the synchronized tuning word to the phase locked loop in synchronization with the output of the frequency control word. The invention reduces the settling time of a mobile station when an operating frequency is changed from one to another.